

4 disposing the place holder between the first substrate and the second substrate.

1 63. The method of claim 62, wherein placing the button into the place holder includes friction
2 fitting, holding, or gluing the button into the place holder.

1 64. The method of claim 60, further comprising:

2 after forming the dielectric jacket and prior to the cutting, placing the electronic structure
3 of the dielectric jacket, conductive wiring, and dielectric core in a dielectric place holder such
4 that place holder holds the electronic structure in place; and

5 after the cutting, disposing the place holder between the first substrate and the second
6 substrate.

1 65. The method of claim 64, wherein placing the button into the place holder includes friction
2 fitting, holding, or gluing the button into the place holder.

1 66. The method of claim 60, wherein the dielectric core, the dielectric jacket, and the conductive
2 wiring are each sufficiently compressible so as to accommodate up to about 8 mils of composite
3 variability that includes a planarity of a surface of the first substrate and a planarity of a surface
4 of the second substrate which is opposite the surface of the first substrate.

1 67. The method of claim 60, wherein mechanically and electrically coupling the at least two end
2 contacts at the first end of the button to the conductive pad of the first substrate and mechanically
3 and electrically contacting the at least two end contacts at the second end of the button to the
4 conductive pad of the second substrate includes maintaining a force upon each said pad, said
5 force directed toward the button from each said pad.

1 68. The method of claim 67, wherein maintaining the force upon each said pad includes clamping
2 the electrical structure such that the force upon each said pad results from the electrical structure
3 being clamped.

1 69. A method for forming an electrical structure, comprising:

2 providing a dielectric core;

3 helically winding a conductive wiring circumferentially around the dielectric core;

4 forming an outer dielectric jacket around the conductive wiring;

5 cutting at an angle to an axis of the dielectric core, through the dielectric jacket and

6 through the conductive wiring and through the dielectric core, at two locations along the axis,

7 leaving a conductive button between the two location as having a first end and a second end,

8 wherein the conductive wiring terminates in at least two end contacts at the first end, and wherein

9 the conductive wiring terminates in at least two end contacts at the second end;

10 providing a first substrate and a second substrate;

11 mechanically and electrically coupling the at least two end contacts at the first end of the

12 button to a conductive pad of the first substrate; and

13 mechanically and electrically coupling the at least two end contacts at the second end of

14 the button to a conductive pad of the second substrate, wherein mechanically and electrically

15 coupling the at least two end contacts at the first end of the button to the conductive pad of the

16 first substrate includes maintaining a force upon the conductive pad of the first substrate and

17 upon the conductive pad of the second substrate, said force directed toward the button from each

18 said pad, and wherein mechanically and electrically coupling the at least two end contacts at the

19 second end of the button to the conductive pad of the second substrate includes solderably

20 coupling the at least two end contacts at the second end of the button to the conductive pad of the

21 second substrate.